



Product Release Notes 22.2

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Product Manager

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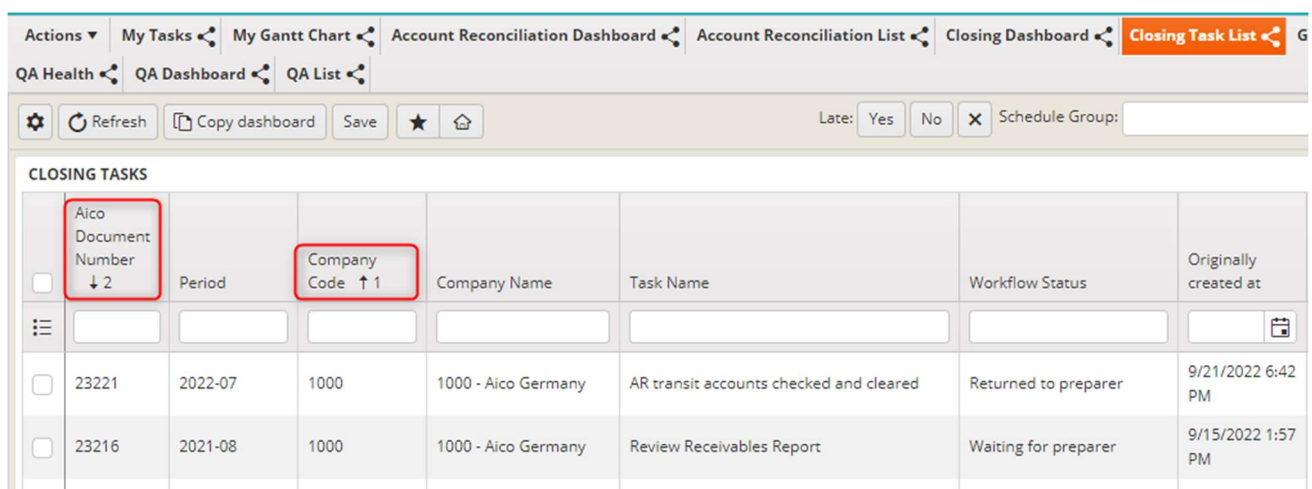
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Dashboard features

1. Sort ordering for lists is now possible to send to the database

A slightly more technical enhancement that has significant performance benefits when it can be used. Currently, when loading a dashboard, Aico retrieves all possible data (up to the maximum number of documents set as a limit in the parameters, typically 5000) and presents this to the User in the pages.

With this enhancement, Aico can evaluate any sort order set. Rather than load all 5000 documents, it will understand the total number of available documents but retrieves only the first 50. When the user then navigates to the second page, it retrieves the next 50.



The screenshot shows the 'Closing Task List' dashboard. At the top, there is a navigation bar with tabs: Actions, My Tasks, My Gantt Chart, Account Reconciliation Dashboard, Account Reconciliation List, Closing Dashboard, and Closing Task List (active). Below the navigation bar, there is a toolbar with icons for settings, refresh, copy dashboard, save, star, and home. A 'Late:' filter is set to 'Yes', and a 'Schedule Group' field is empty. The main content area is titled 'CLOSING TASKS' and contains a table with the following columns: Aico Document Number, Period, Company Code, Company Name, Task Name, Workflow Status, and Originally created at. The 'Aico Document Number' column has a downward arrow and the number '2', indicating it is the primary sort order. The 'Company Code' column has an upward arrow and the number '1', indicating it is the secondary sort order. The table contains two rows of data:

Aico Document Number	Period	Company Code	Company Name	Task Name	Workflow Status	Originally created at
23221	2022-07	1000	1000 - Aico Germany	AR transit accounts checked and cleared	Returned to preparer	9/21/2022 6:42 PM
23216	2021-08	1000	1000 - Aico Germany	Review Receivables Report	Waiting for preparer	9/15/2022 1:57 PM

Note: If you choose Aico Document number as your first sort order then no further sort orders will have any effect as The Aico document number is unique and therefore cannot be further sorted.

The most common sort order we see is on Aico document number and if no sort order is set then it will also default to sorting by Aico document number but sorting by Company Code, or any non-calculated date such as originally created at, completed at etc. would see these benefits.

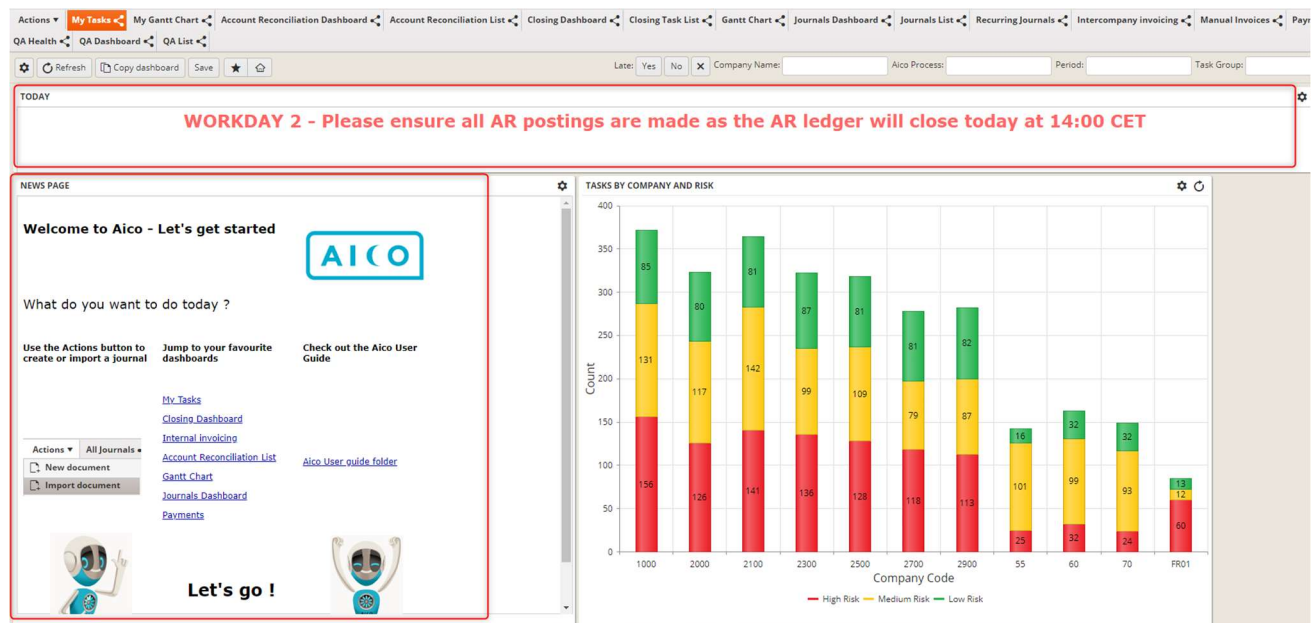
There are 2 limitations to this this function:

- If you have sorted the list by a time-based calculated field e.g., Number of days late, then Aico must recalculate this field for all documents, and you will not see any performance improvement from current 22.1.
- If you have sorted the list by a description from a Value list e.g., Workflow Status then again Aico must find the display description for the workflow status for all documents, and you will not see any performance improvement from current 22.1.

Both the above scenarios are quite rarely used as the basis for sorting a list.

2. New rich text chart type

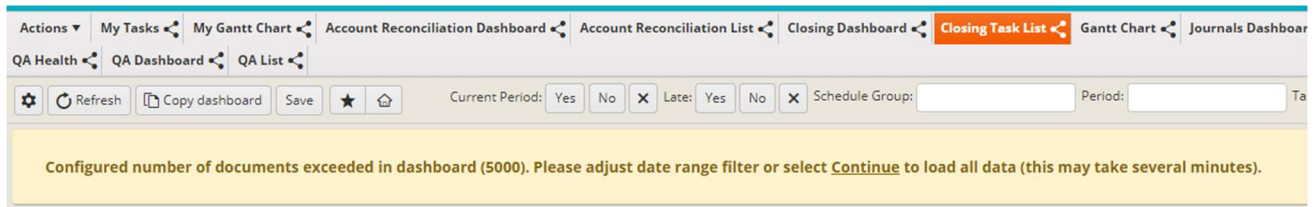
A new text-based chart type with a simple editor has been introduced. This chart can be used to provide news-based information to Users as well as links to dashboards and documentation stored outside of Aico. Below are 2 different examples of a rich text chart.



One significant use case that some customers might consider is to have a landing page which is simply a rich text chart and does not need to load any Aico document data thereby loading faster. This would mean that a User simply logging in to Aico to upload a journal would land on this page and could perform their task in the normal way but would not be asking for documents to be loaded as they are not interested in other data.

3. Dashboard warning message changed

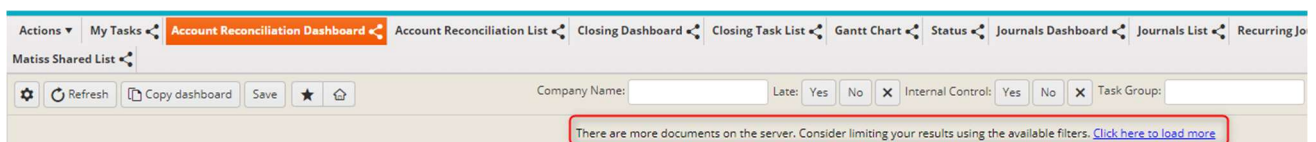
A lot of feedback and, to some extent, confusion caused by the dashboard limit warning (shown below) that appears when you are trying to load more data than the pre-set limit.



Sometimes it would say it had reached the 5000 limit but then only show 250 documents. This is because it finds the first 5000 documents that meet the global filter and then narrows them down with the other filters set.

The original idea was to get the user to set more search filters in order to optimise the performance for example you would see this warning and then decide that you are either not interested in more documents or search for a specific document number or limit to only a certain company. Feedback from our customers suggested that the User in fact assumed they should first ask for the rest of the documents and then start to narrow down the search.

Dashboard performance has improved significantly in 22.1, and the new warning is more subtle, which we hope will encourage Users to immediately search for the content they want rather than assume they need to load the rest of the data. Additionally, the sorting feature described above for lists will mean that this warning appears less often, at least on list views.



System Manager

4. Field decimal validation task

Issues can arise, particularly in SAP, where currencies are set up not to allow decimal places. The SAP posting BAPI does not reject the amounts but rather rounds them up or down, which can cause the journal to become out of balance.

The new Field Decimal Validation allows you to define a number of decimal places against each currency (where need something other than 2 decimal places). The task can then check a combination of the currency/amount fields to ensure that decimal places are not set incorrectly.

It is possible to set up to 3 pairs of currency/amount fields to manage, for example, SAP journals where you are setting Document, Local and Local 2 currencies and amounts.

The screenshot shows the SAP Field Decimal Validation interface. At the top, the 'Currency Code *' is set to 'HUF'. Below this, there are fields for 'Current Exchange Rate', 'Currency Conversion Date', 'Currency Conversion Rate', and 'General Ledger Number'. A 'Reversal Details' section is also visible. The main part of the interface is a table with columns for 'Account', 'Sum', and 'Tax Code'. Two rows are shown, both with '98000' in the 'Account' column and '123.40' in the 'Sum' column. A red error message banner at the top of the table states: 'Debit cannot contain any decimal places for HUF currency defined in Currency Code . Error'. The error message is highlighted with a red box.

The decimal places required are defined in the Aico Master Currencies value set in Attribute 1.

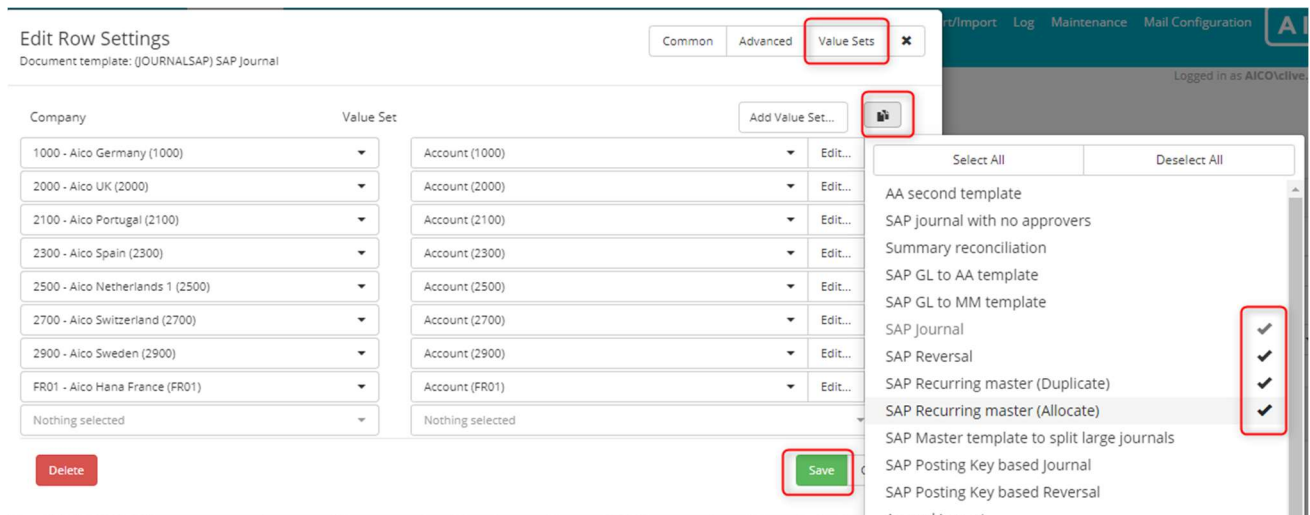
The screenshot shows the 'Edit Value Set Values' interface for 'Aico Master Currencies - Shared'. On the left, there are dropdown menus for 'Company' (set to 'All'), 'Business Unit' (set to '- Not Selected'), and 'Value Set' (set to 'Aico Master Currencies - Shared'). Below these are 'Filter values' and buttons for 'Export to Excel' and 'Import from CSV/Excel'. A checkbox 'Include headers to report(in CSV)' is checked. The main table lists various currencies with columns for 'Description', 'Value', 'Validity Start Date', 'Validity End Date', 'Attribute 1', 'Attribute 2', 'Filter Value', and 'Sort Order'. The 'HUF' row is highlighted with a red box, showing '0' in the 'Attribute 1' column. The table also includes a 'Delete' column with red 'X' icons. At the bottom, there are 'Add new row' and 'Save' buttons.

5. Bulk copy of value sets

We have gradually been adding more bulk copying actions to the templates to be able to copy whole headers or individual formulas or mappings from a header on one template to another.

We have now added to support to bulk copy value sets from a header or row on one template to that same header or row on another template.

Open the header or row and go to the Value Sets tab, click the bulk copy and then select the templates to which you want to copy the Value sets.



6. Adding cell-level colouring to rows

This is similar to the dashboard list Color concept where you can use formula to determine the colour of the cell, but here we actually support more styling, like background colour, font colour, font weight, etc. Basically, anything that the html styles allow to change. The syntax for this custom colouring is quite technical.

Example for styles that can be set are:

```
{ "color": "blue" }
{ "background-color": "tomato" }
{ "font-family": "verdana" }
{ "font-weight": "bold" }
```

This works based on you defining a hidden column in the document that drives the custom colouring of the cell. The column must be a text data type named as internalName + "Color" (US spelling).

For example, using =IF(amountUnreconciled=0.00,"{\background-color\": \"#52f352\"}","") as a formula in the "amountUnreconciledColor" row to make the Amount Unreconciled cells go green if their amounts are 0.00

Row data																
		Account	Document Number	Document Date	Posting Date	Document Type	Currency (Document)	Amount (Document) Sum: Partial sum:	Currency	Amount (Local) Sum: Partial sum:	Cost Center	Profit Center	Assignment	Trading Partner	Item Text	WBS
1	<input type="checkbox"/>	194503	100000014	17/05/2018	10/05/2018	SA	SEK	-4,550.00 SEK		-4,550.00			20180510			
2	<input type="checkbox"/>	194503	100000013	16/05/2018	16/05/2018	SA	SEK	14,500.00 SEK		14,500.00			20180516			
3	<input type="checkbox"/>	194503	100000005	18/07/2018	18/07/2018	SA	SEK	-5,000.00 SEK		-5,000.00			20180718			
4	<input type="checkbox"/>	194503	100000012	19/07/2018	19/07/2018	SA	SEK	12,450.00 SEK		12,450.00			20180719			
5	<input type="checkbox"/>	194503	100000015	19/05/2018	19/05/2018	SA	SEK	12,450.00 SEK		12,450.00			20180719			
6	<input type="checkbox"/>	194503	100000008	11/03/2019	11/03/2019	SA	SEK	12,450.00 SEK		12,450.00			20180719			
7	<input type="checkbox"/>	194503	100000051	04/01/2019	28/12/2018	AB	SEK	60,000.00 SEK		60,000.00			20181228		Vacation Accruals	
8	<input type="checkbox"/>	194503	100000005	07/02/2019	12/02/2019	AB	SEK	-60,000.00 SEK		-60,000.00			20190212		Vacation Accruals	
9	<input type="checkbox"/>	194503	100000047	30/04/2020	30/06/2020	SA	SEK	-750,000.00 SEK		-750,000.00			20200630		Equity recurrence	
10	<input type="checkbox"/>	194503	100000075	29/09/2020	29/09/2020	SA	SEK	750,000.00 SEK		750,000.00			20200929			
11	<input type="checkbox"/>	194503	100000076	15/10/2020	15/10/2020	SA	SEK	-500.00 SEK		-500.00			20201015		New posting 500	
12	<input type="checkbox"/>	194503	100000077	16/09/2020	16/10/2020	SA	SEK	500.00 SEK		500.00			20201016		New posting 500	
13	<input type="checkbox"/>	194503	100000082	16/12/2020	16/12/2020	SA	SEK	-12,700.00 SEK		-12,700.00			20201216		Alco journal 765	
14	<input type="checkbox"/>	194503	100000002	19/03/2021	19/03/2021	SA	SEK	-4,500.00 SEK		-4,500.00			20210319		Alco journal 123	
15	<input type="checkbox"/>	194503	100000081	18/08/2022	01/07/2022	SA	SEK	-50,000.00 SEK		-50,000.00	1000		20220701		lekabets recurring test	
16	<input type="checkbox"/>	194503	100000083	18/08/2022	01/07/2022	SA	SEK	-50,000.00 SEK		-50,000.00	1000		20220701		test	
17	<input type="checkbox"/>	194503	100000085	18/08/2022	01/07/2022	SA	SEK	-55,000.000.00 SEK		-55,000.000.00	1000		20220701		test	
18	<input type="checkbox"/>	194503	100000072	01/06/2022	31/07/2022	SA	SEK	-50,000.00 SEK		-50,000.00			20220731		Lomza Rec	

7. Check against chart list validation

A new validation task has been added, which allows you to check whether similar documents have already been created/posted.

This can be used to prevent or warn a User that a similar journal or payment has already been made in the recent past. The task checks a chart to compare the values for a set of defined headers on the current document against other already created/posted documents. You can define a number of similar documents, for example, if you only find 3 similar documents, then let the document do through, but above 3 then the validation will prevent the document moving forward. You can also configure a field that the user can check to get past this validation but of course this is then recorded in the document and can be reported on.

QA Health
QA Dashboard
QA List
IC Invoicing Dashboard
Reconciliation Status Reports
33374
35583

Save
Validate
Run calculations
Create copy
Assign to
Submit
Send for info
Delete document
Print
Copy document link
Import from Excel
Export to Excel

General errors:
Document(s) 35583,33374,31630,31620,31611,23300,23279,23275,23268 have been found which contain values that are too similar to the one you are trying to submit. Check the override repeat payment warning to continue.

Header data
Company Code* 1000 - Alco Germany
Document template* IBAN payment request
Approval Mode Single approval
Debtor
Payer name 1000 - Alco Germany
Debtor Bank Nordea Bank EUR
Debtor Account (IBAN) FI9816603000001234
Payment receiver details
Payment receiver name J Martikala
IBAN* GB62HBUK40111840770132
BIC HBUKGB48XXX
Override repeat payment warning ☐
Payment details
Payment type* Consultancy
Creator Required Details Attachment required
Payment description Interview expenses
Payment amount* 1,000.00

Comments (0)
Add comment...
Attachments (1)
Add attachment...
User Attachment Description
Clive Jefferies Supporting evidence
Action log (2)
Action User Action comment Additional information
Adding attachments Clive Jefferies (25/10/2022, 19:10:28) Attachment 'Supporting evidence' (ID:16100) added. Visible to: all authorised
Creation Clive Jefferies (25/10/2022, 19:10:28) Created as a copy from "" (33374).

10
Page 1 of 1
Displaying 1 to 2 of 2 items

The message will identify the matching documents found.

The chart that you are using can be configured to contain the data that you want to check against. For example using the date filter to show only documents from the last 30 days might be useful to catch journals that have already been posted in the recent past.

8. New formulas added

a. VALUEATTRIBUTE and VALUEDescription

This is more of a tidy-up than completely new formulas. Historically, =VALUEATTRIBUTE only worked in headers and =VALUEDescription only worked in columns. Now, these are both fully supported in both Headers and Columns

The formulas extract the description or the Attribute set in a value set and sets it in its own header or column.

9. New, more advanced/automatic validation error descriptions for rules engine

In 22.1, Aico introduced a new rules engine to allow much more granular validation rules to be set inside Aico. This is particularly relevant for file-integrated ERPs where the rules need to be read into Aico.

Note that this does not affect our live integration customers (SAP, EBS, D365 etc.) where the messages are coming directly from the ERP system itself.

The validation messages have now been significantly enhanced and are self-generating from the rules set in the Aico rules validation engine.

Row data										
Save Validate Calculate Taxes Hide empty columns < > << >>										
	Account	Debit	Credit	Tax Code	Trading Partner	Cost Center	Profit Center	Item Text	Assignment	Internal Order
		Sum: 103,941.31	Sum: 103,941.31							
1	159100	103,941.31						Bad debt provision		
2	80000		103,941.31					Bad debt provision		
3										
4										
5										

B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Id	Rule Name	Company Code	Editable	Source1Name	Source1MinLimit	Source1MaxLimit	Source2Name	Source2MinLimit	Source2MaxLimit	TargetName	TargetUse	TargetValue	TargetMinValue	TargetMaxValue
2	Profit Center Fill		TRUE	account	100000	199999	costCenter	21-4210	21-4210	profitCenter		1010		
3	Profit Center Mandatory		TRUE	account	400000	499999				profitCenter				
1	Profit Center Rule		TRUE	account	194500	194599				profitCenter		1000	2000	

Automation Manager

10.Automation manager task pages are now configurable

In 22.1 we introduced configuration for the Task template page to allow other characteristics to be shown. In this release, we extend this support to the Tasks page (where you see the generated tasks for the period).

Select the task settings that you want to see on the tasks page and press Save. This is not an individual setting. It will affect all Automation manager administrators.

AICO

DashboardTasksManageNewAdmin Tools

chive.jeffries

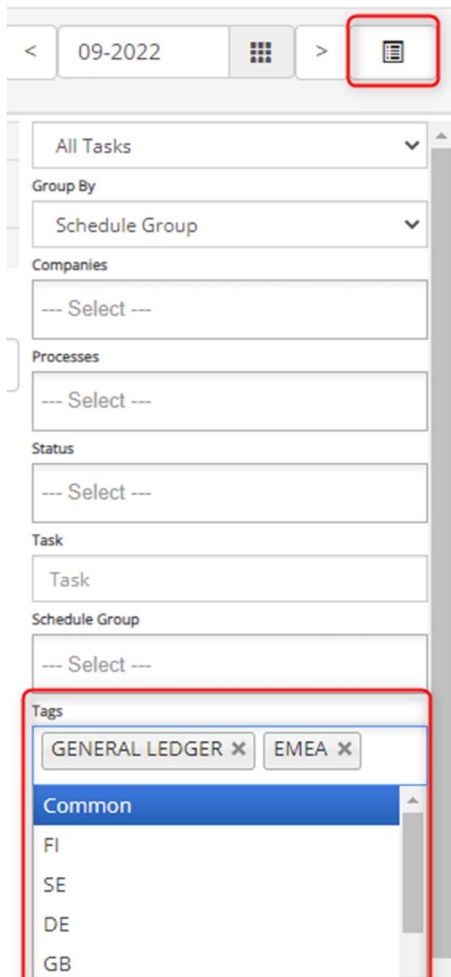
Acc RecsClosingDelete documentsInternal ControlsStatusOwn ListsRefresh

Company Code, Process Code, Start TimSave07-2022

Company Code	Process Code	Task Name	Start Time	End Time	Status	Alco Document Template
CompanyCode	ProcessCode	TaskName	StartTime	EndTime	Status	Alco Document Template
Monthly						
60	EBSACCREC	1020 Balance	7/25/2022 7:00 AM	8/5/2022 3:00 PM	Completed	ACCRCBMEBS
60	EBSACCREC	1020 Line Item	7/25/2022 7:00 AM	8/5/2022 3:00 PM	Completed	ACCRCCLIMEBS
60	EBSACCREC	1025 Balance	7/25/2022 7:00 AM	8/5/2022 3:00 PM	Completed	ACCRCBMEBS
60	EBSACCREC	1025 Line Item	7/25/2022 7:00 AM	8/5/2022 3:00 PM	Completed	ACCRCBMEBS
1000	SAPACCREC	112655 ABN Balance	7/25/2022 7:00 AM	8/5/2022 3:00 PM	Completed	ACCRCBMSAP
1000	SAPACCREC	112655 ABN Balance	7/25/2022 7:00 AM	8/5/2022 3:00 PM	Completed	ACCRCBMSAP
2000	SAPACCREC	112655 ABN Balance	7/25/2022 7:00 AM	8/5/2022 3:00 PM	Completed	ACCRCBMSAP
2000	SAPACCREC	112655 ABN Balance	7/25/2022 7:00 AM	8/5/2022 3:00 PM	Completed	ACCRCBMSAP
2100	SAPACCREC	112655 ABN Balance	7/25/2022 7:00 AM	8/5/2022 3:00 PM	Completed	ACCRCBMSAP
2100	SAPACCREC	112655 ABN Balance	7/25/2022 7:00 AM	8/5/2022 3:00 PM	Completed	ACCRCBMSAP
1000	SAPACCREC	112655 ABN Open Item	7/25/2022 7:00 AM	8/5/2022 3:00 PM	Completed	ACCRCOIMSP
2000	SAPACCREC	112655 ABN Open Item	7/25/2022 7:00 AM	8/5/2022 3:00 PM	Completed	ACCRCOIMSP

11. New filter of tags.

In 22.1, the concept of customer-created tags was introduced to allow task templates to be linked to tags other than countries. In this release we have added these tags to the filter areas on the tasks page to allow you to find task based on tags as well as the other filters such as company codes and process etc.



The screenshot displays a task filter interface. At the top, there is a navigation bar with a left arrow, the date '09-2022', a grid icon, a right arrow, and a document icon (highlighted with a red box). Below this, the filter section includes a dropdown for 'All Tasks', a 'Group By' dropdown set to 'Schedule Group', and several 'Select' dropdowns for 'Companies', 'Processes', 'Status', 'Task', and 'Schedule Group'. At the bottom, the 'Tags' section is highlighted with a red box. It shows two active tags: 'GENERAL LEDGER' and 'EMEA'. Below these, a list of tags is visible: 'Common' (highlighted in blue), 'FI', 'SE', 'DE', and 'GB'.

12. Purge older tasks

Once Automation manager tasks are run, there is limited value in retaining these, and the volume of tasks is considerable. The new purging task will automatically purge (permanently delete) older tasks after a predefined period of time. Note that this setting does NOT have any effect on the Aico documents.

Task settings			
Default holiday calendar	Global holiday calendar X	Global holiday calendar	Holiday calendar that will be set to new companies by default
Default Task Dashboard Grouping *	Schedule Group X	0	
Default Task List Grouping *	Schedule Group X	0	
Main user Export/import tasks	<input checked="" type="checkbox"/>	True	Allows Export/import Tasks for main users
Purge ALL tasks older than	360	360	Set the number of days after which ALL tasks, regardless of status, will be purged (permanently deleted).
Purge tasks in statuses older than	180	180	Set the number of days after which tasks in the defined Purge task statuses below will be purged.
Purge tasks statuses	Completed X	Completed	Set the statuses for tasks that will be purged. Note that this does not apply to the Purge ALL setting.

13. Delete Country or Holiday Calendar from UI

Historically, it was only possible to delete a Country or Holiday calendar directly in the database via a Support desk ticket. In each system, we automatically included a holiday calendar for each country, and most customers standardise on one (or just a couple) of holiday calendars. We then had multiple requests to remove holiday calendars so as not to confuse the set up when adding new companies.

For brand-new Aico installations, we will now include only one default Global Holiday Calendar and the customer/project team can add more as needed. It is also now possible to delete any calendars and/or countries as needed.

14. Performance enhancement for document creation

Technical improvement to speed up further the creation of documents in the Automation manager. In 22.1 a number of enhancements were made, which reduced document creation time by around 25-35%. During this work, a few more involved enhancements were identified to improve this further (around another 5-10%), but a decision was made not to put these into 22.1 but rather take more time for testing. These are now included in 22.2.

The volume of documents that our customers are now creating shows this is an area that will continue to need focus from us and we have identified several more optimisations to come in future releases.

SAP Certification

15. SAP Certification

Our newest Z functions are now SAP-certified. This is obviously significant in terms of giving customers the confidence that the functions have been reviewed (and certified) by SAP.

In practical terms, the functions must now be in their own namespace in SAP (this is mandated by SAP as part of the certification process) so rather than being Z_AICO_XXXXXX they are now /AICO/XXXXXX. For existing customers whose mappings or middleware layer is expecting a call to a Z_AICO_XXXXX named function then the functions include an automatic redirect.



Certificate

SAP INTEGRATION CERTIFICATION

SAP SE hereby confirms that the interface software for the product **Aico Integration V2023 for SAP S/4HANA** of the company **Aico Group Oy** has been certified for deployment on SAP S/4HANA 2021 via the SAP integration scenario **ABAP Add-On Deployment for SAP S/4HANA**.

This certificate confirms the technical compliance of **Aico Integration V2023 for SAP S/4HANA** with SAP certification procedures.

The certification test is documented in report no. **20139** and expires on **September 14, 2025**.

SAP Test System: SAP S/4HANA 2021
Used Integration Tools: SAP Connector for Microsoft .NET

Attachments

16. Duplicate attachments removed from the database and replaced with GUIDs

It has become very clear that customers are copying attachments multiple times particularly as part of evidence being carried forward period over period. Currently, we simply store another copy of the attachment against the newer document however, the volume of such copies is significantly more than we had first anticipated.

As part of the 22.2 upgrade* the attachments will be automatically de-duplicated and replaced with GUIDs (unique identifiers). Documents that then refer to the same attachments will then use the GUID for that attachment and open the single copy of that attachment now stored in Aico.

* No customer action is required for this but, for our customers with larger databases, the service break time we ask for may be a few more hours than normal to perform the upgrade.